

Purchase Order Receipt Listing

Friday, September 22, 2017 10:24:38 AM

All Vendors PO ID PO37615 Receipt Dates from 9/21/2017 to 9/21/2017 All Line Item Types
 All Item ID/GL/WCS All Rec. Employees All Currencies
 Grouped by Vendor ID

All amounts are calculated in domestic currency.

Page 1 of 1

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name PO37615 1		VU-MET002	A.M. Castle & Co. (Canada) Inc.- C/O 910720	M7075T6S1.250X2.7 f 50 1,245Y7f800	9/18/2017 9/21/2017		24.0000 ✓		0.0000 0		\$0.00
USD	No		M7075T6S1.250" X2.750" CUT FROM PLATE m138583	DAS 5 9-39		48.0000 PLOU01			0.0000 0		

Total Received Quantity:
 Total Qty to Inspect (PO U/M):
 Total Reject Quantity:
 Total Receipt Value:
 Total Balance Due Quantity:

24.0000
 0.0000
 0.0000
 0.0000
 0.0000



PACKING SLIP/
CERTIFICATE OF CONFORMANCE

A. M. Castle & Co.

Page 1 of 1

Shipment No:3388804

Ship From:		Sold To:		Ship To:		Deliver To:	
A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	
Date Shipped	F.O.B.	Freight Terms	Carrier	Final Destination Branch - TOR			
20-SEP-17	ORIGIN	Prepaid	MANITOULIN	3388804-2			
Shipment Details							
Order No	Line No	Item No	Description				
4879382	1	752114.MO	1.2500.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000 CUT 2SIDED TO 2.75 IN (+ .1250/- .0000 IN) X 144.5 IN (+ .1250/- .0000 IN) - ALUMINUM PLATE SAW SPECIFICATIONS. AMS-QQ-A-250/12				
Purchase Order No	Part Number		Ordered Qty	Invoice Qty			
37615			2.00 PCS	2.00 PCS			
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS							
Delivery No.	Mill/Source	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
121312269	CONSTELLUM ROLLED PRODUCTS	5 	9-89	2			102.8254

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned.

Reviewed by Authorized Castle Metals Representative:
Date Printed: 20-SEP-2017 04:09:43 PM

SHIPPED SEP 20 2017 Date: Name:

123
L
V-009

Constellium
CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC
S
H
I
P
T
O
A M CASTLE & COMPANY
4175 ROYAL DRIVE
KENNESAW GA
30144
US
S
O
L
D
T
O
A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE	110502703	4075	INCLUSION	Serial: 20170220-0110502703	Pg 2 of 2																								
CUSTOMER PURCHASE ORDER NO. & ITEM 410933			Constellium ORDER NO. 196570																										
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.25000 in 31.75 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm																								
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH																													
CUSTOMER SPECIFICATION AMS 4045K																													
PART NUMBER 752114		B/L NUMBER 75896		DATE SHIPPED 02/21/2017																									
WT. SHIPPED 2570 000 LB	NO. OF PIECES 000003	GOVT. CONTRACT NO.																											
CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA																													
<i>Steve Good</i>																													
Steve Good - Laboratory Manager																													
Tensile - Room Temperature (SI) <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th rowspan="2">Direction</th> <th rowspan="2">Tests</th> <th colspan="2">Ultimate (N/MM²)</th> <th colspan="2">Yield (N/MM²)</th> <th colspan="2">Elongation (%)</th> <th rowspan="2">Report</th> </tr> <tr> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>O2</td> <td>561</td> <td>563</td> <td>493</td> <td>495</td> <td>13.0</td> <td>13.0</td> <td></td> </tr> </tbody> </table>						Direction	Tests	Ultimate (N/MM ²)		Yield (N/MM ²)		Elongation (%)		Report	Min	Max	Min	Max	Min	Max	LT	O2	561	563	493	495	13.0	13.0	
Direction	Tests	Ultimate (N/MM ²)		Yield (N/MM ²)				Elongation (%)		Report																			
		Min	Max	Min	Max	Min	Max																						
LT	O2	561	563	493	495	13.0	13.0																						
Chemistry (Actual) <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>Si</th> <th>Fe</th> <th>Cu</th> <th>Mn</th> <th>Mg</th> <th>Cr</th> <th>Zn</th> <th>Ti</th> <th>Zr</th> </tr> </thead> <tbody> <tr> <td>Core</td> <td>0.06</td> <td>0.17</td> <td>1.52</td> <td>0.03</td> <td>2.58</td> <td>0.21</td> <td>5.58</td> <td>0.04</td> <td>0.01</td> </tr> </tbody> </table>							Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr	Core	0.06	0.17	1.52	0.03	2.58	0.21	5.58	0.04	0.01				
	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr																				
Core	0.06	0.17	1.52	0.03	2.58	0.21	5.58	0.04	0.01																				
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																													
All material contained in this lot was cast and manufactured in the USA																													
QUALITY TEXTS: AMC CA 15403A R 7																													
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.																													
CHEMISTRY BY CES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557 DUNS Number: 090570149; CAGE Code: 1YWLS Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"																													
P-860-155D REVISED: 10 2014																													

B3 - 8 - 2

Constellium



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

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T
O

A M CASTLE & COMPANY
4175 ROYAL DRIVE
KENNESAW GA
30144
US

S
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T
O

A M CASTLE
1420 KENSINGTON ROAD, SUITE 220
OAK BROOK IL
60523
US

A M CASTLE		110502703	4075	INCLUSION	Serial: 20170220-0110502703	Pg 1 of 2	
CUSTOMER PURCHASE ORDER NO. & ITEM 410933				Constellium ORDER NO. 196570		<p>CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA</p> <p><i>Steve Good</i></p> <p>Steve Good - Laboratory Manager</p>	
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.25000 in 31.75 mm	WIDTH 48.5000 in 1.232 mm	LENGTH 144.5000 in 3,670 mm		
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH							
CUSTOMER SPECIFICATION AMS 4045K							
PART NUMBER 752114		B/L NUMBER 75896		DATE SHIPPED 02/21/2017			
WT. SHIPPED 2670.000 LB	NO. OF PIECES 000003	GOVT. CONTRACT NO.					
ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS: ASTM B594 REV 13 2013 100% SONIC W/ 0.125" DEADZONE Class A AMS QQ-A-250/12A AMS-STD-2154A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE ASTM B209-14 BSS-7095B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE CMMP025 REV U CSTI006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE DPS 4 713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE GAMP 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE							
Load Details							
Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot	
1001453411	890.000	403.697	9382341	01			
1001453411	890.000	403.697	9382341	02			
1001453411	890.000	403.697	9382341	03			
Lot: 9382341							
Tensile - Room Temperature (US)							
Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)	Report
		Min	Max	Min	Max	Min	Max
LT	02	81.3	81.6	71.5	71.8	13.0	13.0
P-860-155D REVISED: 10 2014							

Straight Bill of Lading -Short Form - Original - Not Negotiable RECEIVED. Subject to the classification and tariffs in effect on the date of issue of this Bill of Lading. The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment; or (2) in the applicable motor carrier classification or tariff this is a motor carrier shipment.		Shipper No.: 3388804-2 FROM AT: A. M. Castle & Co. 2150 ARGENTIA ROAD MISSISSAUGA ON L5N 2K7 CAN
Consigned To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY ON K6A 1K7 CAN	Delivery instructions: ALL LOADS MUST BE TARPED. DELIVER PACKING LIST AND TEST REPORTS OR CONSIGNEE WILL REFUSE.	Ship Date: 20-SEP-17 Payment Terms: Prepaid REMIT FREIGHT INVOICES TO: RayTrans Management, Inc. PO Box 1210 Washington PA 15301
Carrier Name: MANITOULIN	Additional Insurance Coverage: The agreed or declare value for the property is hereby specifically stated by the shipper to be not exceeding: _____ per _____	

Shipment Breakdown:				Shipment Weights:	
Quantity	Packaging	Class	Commodity	Product	103 LBS
1	BOX	FAK_50	Metal Product	Dunnage	10 LBS
				Gross	113 LBS

ORDER DETAIL:

Customer PO	Sales Order No.	Line No.	Castle Item No.	Quantity Shipped	Castle UOM
37615	4879382	1	4879382*1*1	2	PCS

Subject to Section 7 of Conditions of applicable bill of Lading. If this shipment is to be delivered to the consignee without recourse to the consignor, the consignor shall sign the following statements. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

THIS SHIPMENT IS TO BE TENDER RECEIVED AND TO BE CARRIED SUBJECT TO ALL TERMS AND CONDITIONS OF THE STEAMSHIP COMPANIES CURRENT FORM BILL OF LADING

THIS IS TO CERTIFY THAT THE ABOVE NAMED ARTICLES ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE: Where the rate is dependent on value, the shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Customer is responsible for all shipping documents and compliance with United States and Canadian laws, including but not limited to U.S. and Canadian Export laws and regulations.

Shipper No.: 3388804-2

SHIPPER, PER: _____ insert creator's name	Per _____ Driver's Signature
PROOF OF DELIVERY: _____ Signature / Date	Name _____ Please Print Name Here

All pages must be signed

Page 1 of 1



**TEST REPORT
ENVELOPE
MUST SHIP
WITH MATERIAL**

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M7075+651,250X2,750
 DATE: SEP 22 2017

PO / BATCH NO.: PC37615/113868

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24
 QUANTITY INSPECTED: 24
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1,250X2,750
 THICKNESS RECEIVED: 1,245X2,800
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>AStm B209</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>H# 9382341</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAF</u> <u>5</u>	SIGNED OFF BY: _____
DATE: <u>9-89</u> <u>SEP 22 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

△ PURCHASE MATERIAL: 7075-T6/T62/T651 ALUMINUM SHEET OR PLATE

SPECIFICATION: QQ-A-250/12 OR AMS-QQ-A-250/12
OR AMS 4045
OR ASTM B209

OR
△ PURCHASE MATERIAL: 7075-T6/T62/T651 ALCLAD ALUMINUM SHEET OR PLATE

SPECIFICATION: QQ-A-250/13 OR AMS-QQ-A-250/13
OR AMS 4048 / 4049
OR ASTM B209

△ PART NUMBER:

M7075T6S |TTT|X|W.WWW|
|THK| |WIDTH|

WHERE "TTT" = THICKNESS (IN INCHES)
AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)

EC. .063" THICK SHEET = M7075T6S.063
EG. 3.5" WIDE BY 0.500" THICK PLATE = M7075T6S.500X3.500

△ PREFERRED SIZE: .TTT BY 4FT BY 10FT FOR SHEET

RELEASED
2017 JUN 19
ECA 17-574

APPROVED
DATE 17.05.05

B	ADD REF TO PLATE "TBS" *TEMPER, AMS 4048, OPTIONAL WIDTH DIM (CARTS:7;3)		CP	17.05.05
	A	NEW ISSUE	RF	10.11.08
REV.		DESCRIPTION	BY	DATE
DESIGN	RF		DART AEROSPACE LTD	
DRAWN	CP		HAWKESBURY, ONTARIO, CANADA	
CHECKED	ML		DRAWING NO.	REV. B
MF.G. APPR.	LL	M7075T6S		SHEET 1 OF 1
APPROVED	WM		SCALE	
DE APPR.	DS	#	7075-T6 SHEET/PLATE SPEC	NTS
DATE			COPRIGHT © 2010 BY DART AEROSPACE LTD THE CONTENTS OF THIS DRAWING ARE THE PROPERTY OF DART AEROSPACE LTD. NOT TO BE COPIED OR REPRODUCED IN WHOLE OR IN PART, EXCEPT AS AUTHORIZED IN WRITING BY DART AEROSPACE LTD.	

1 2 3 4 5 6 7 8

1 2



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO37615

Purchase Order Date 8/30/2017

PO Print Date 9/5/2017

Page Number 1 of 2

Order From : VU-MET002

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W 0E9
CANADA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

REvised

Contact Name	Buyer	Diane Baker
Vendor Phone	Customer POID	
Ship To Contact	Customer Tax #	10127-2607
Ship To Phone	Terms	Net 30
Ship Via: Yours ppd	Currency	USD
Ship Acct:	FOB	Destination-Collect

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
Line Comments			Promise Date				
Delivery Comments							
1	M7075T6SI.250X2.750	M7075T6SI.250" X2.750" CUT FROM PLATE	9/13/2017	48.00	/	\$26.60	\$1,276.80
			Yes 9/13/2017	f			
		MAT'L 7075-T6/T62 ALUMINUM SHEET SPEC'S QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209					
		MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET SPEC'S QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209					
2	71401-45	PROCUREMENT QUALITY CLAUSES	9/13/2017	1.00	/	\$0.00	\$0.00
		No 9/13/2017					
		Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality documents					

*Rec'd F.
24
Rec'd 24/8 SP 9.22
Line Total: \$1,276.80*

SP 9/18.

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO37615

Purchase Order Date 8/30/2017
PO Print Date 9/5/2017

Page Number 2 of 2

Order From : VU-MET002

Ship To : DART AEROSPACE LTD

METAUX CASTLE
P.O. BOX 4090 STN A
TORONTO, ONTARIO M5W 0E9
CANADA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Buyer Diane Baker

Vendor Phone

Customer POID

Customer Tax # 10127-2607

Ship To Contact

Terms Net 30

Ship To Phone

Currency USD

Ship Via: Yours ppd

FOB Destination-Collect

Ship Acct:

Line Total: \$0.00

PO Total: \$1,276.80

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 3

Change Date: 9/5/2017